CLAIMS

1. A device for pressing a bearing jacket (2) onto a monolith (3) of a catalytic converter, in particular in a motor vehicle,

characterized in that

- a first mold part (4) is provided, having a first partial mold (6) which is designed to be complementary to a first peripheral section (8) of the monolith (3) surrounded by the bearing jacket (2) pressed onto it,

- a second mold part (5) is provided, having a second partial mold (7) which is designed to be complementary to a second peripheral section (9) of the monolith (3) surrounded by the bearing jacket (2) pressed onto it,

- the mold parts (4, 5) are adjustable between an open position in which the monolith (3) surrounded by the unpressed bearing jacket (2) is insertable into at least one of the partial molds (6, 7) and a closed position in which the mold parts (4, 5) with their partial molds (6, 7) press the bearing jacket (2) onto the monolith (3) in the respective peripheral sections (8, 9),

- at least one slide gate (14) is arranged between the partial molds (6, 7) of the mold parts (4, 5),

- each slide gate (14) has a third partial mold (15) which is designed to be complementary to a third peripheral section (16) of the monolith (3) surrounded by the bearing jacket (2) pressed onto it,

- the first and second peripheral sections (8, 9) assigned to the first and second partial molds (6, 7) together with all the third peripheral sections (16) assigned to the third partial molds (15) are the same size as the total circumference of the monolith (3) surrounded by the bearing jacket (2) pressed onto it,

- in the closed position of the mold parts (4, 5), each slide gate (14) is adjustable between an initial position in which each slide gate (14) with its third partial mold (15) is a distance away from the bearing jacket (2) of the inserted monolith (3), and an end position relative to the first and second mold parts (4, 5) in which each slide gate (14) with its third partial mold (15) presses the bearing jacket (2) onto the monolith (3) in the respective third peripheral section (16).

2. The device according to Claim 1,

characterized in that

- the first peripheral section (8) and the second peripheral section (9) are each about half as large as the total circumference of the monolith (3) surrounded by the bearing jacket (2) pressed onto it,

- the first and the second peripheral sections (8, 9) are each much larger than each individual third peripheral section (16).

3. The device according to Claim 1 or 2,

characterized in that

two slide gates (14) are provided and are arranged opposite one another with respect to the inserted monolith (3).

4. The device according to Claim 3,

characterized in that

the first peripheral section (8) is approximately as large as the second peripheral section (9) and the two third peripheral sections (16) together.

5. The device according to Claim 4,

characterized in that

- the mold parts (4, 5) are adjusted relative to one another into and opposite the direction of gravitational force (11) between their open position and their closed position,

- the first mold part (4) is situated beneath the second mold part (5) with respect to the direction (11) of the pull of gravity.

6. The device according to one of Claims 1 through 5,

characterized in that

each slide gate (14) is mounted on the second mold part (5) so that it is adjustable between its initial position and its end position.

7. The device according to one of Claims 1 through 6,

characterized in that

the mold parts (4, 5) are adjustable between their open position and their closed position across a longitudinal axis (10) of the monolith (3).

8. The device according to one of Claims 1 through 7,

characterized in that

each slide gate (14) is adjustable between its initial position and its end position across a longitudinal axis (10) of the monolith (3).

9. The device according to one of Claims 1 through 8,

characterized in that

a displacement device is provided, pushing the monolith (3) surrounded by the bearing jacket (2) pressed onto it out of the mold parts (4, 5) in the longitudinal direction (10) of the monolith (3) when the first and the second mold parts (4, 5) are in their closed position and each slide gate (14) is in its end position.

10. The device according to Claim 9,

characterized in that

- a prefabricated pipe is connected downstream from the mold parts (4, 5) in the longitudinal direction of the monolith (3), its inside cross section corresponding to the outside cross section of the monolith (3) surrounded by the bearing jacket (2) pressed onto it,

- the displacement device inserts the monolith (3) surrounded by the bearing jacket (2) pressed onto

it directly into the pipe.

11. A method of pressing a bearing jacket (2) onto a monolith of a catalytic converter, in particular of a motor vehicle,

characterized in that

- the bearing jacket (2) surrounding the monolith (3) on the periphery is pressed onto the monolith (3) in a first peripheral section (8) during an initial phase and in a second peripheral section (9), whereby the two peripheral sections (8, 9) together are smaller than the total circumference of the monolith (3) surrounded by the bearing jacket (2) pressed onto it;

- the bearing jacket (2) is pressed onto the monolith (3) during a subsequent second phase in at least one third peripheral section (16) situated between the first peripheral section (8) and the second peripheral section (9), whereby the first peripheral section (8) and the second peripheral section (9) together with all the third peripheral sections (16) are the same size as the total circumference of the monolith (3) surrounded by the bearing jacket (2) pressed onto it.

12. The method according to Claim 1,

characterized in that

- the first peripheral section (8) and the second peripheral section (9) are each approximately half as large as the total circumference of the monolith (3) surrounded by the bearing jacket (2) pressed onto it;

- the first peripheral section (8) and the second peripheral section (9) are each definitely larger than each individual third peripheral section (16).

13. The method according to Claim 11 or 12,

characterized in that

- two mutually opposite third peripheral sections (16) are provided;

- the first peripheral section (8) being approximately as large as the second peripheral section (9) and the two third peripheral sections (16) together.

14. The method according to one of Claims 11 through 13,

characterized in that

the monolith (3) with the bearing jacket (2) pressed onto it is inserted directly into a prefabricated pipe whose inside cross section corresponds to the outside cross section of the monolith (3) surrounded by the bearing jacket (2) pressed onto it.